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PTO/SB/05 (08-00) (modified)

Approved for use through 9/30/2001, OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

# NEW UTILITY PATENT APPLICATION TRANSMITTAL

(only for new nonprovisional applications under  
37 CFR 1.53(b))

Attorney Docket Number	21676-05107
First Named Inventor	Ernest Seagraves
Title	ENHANCED BITLOADING FOR MULTICARRIER COMMUNICATION CHANNEL
Express Mail Label No.	EL550795537US

11036 U.S. PTO

09/804676

03/12/01

## APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form (in duplicate)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27
3. ☒ Specification Total Pages 37  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference(s) to Related Case(s)
  - Statement Regarding Fed sponsored R & D
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawing(s)
  - Detailed Description
  - Claim or Claims
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) Total Sheets 4
5. Oath or Declaration
  - a. ☐ New Declaration Total Pages   
☐ Executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

## ACCOMPANYING APPLICATION PARTS

7. ☐ Assignment Papers (cover sheet & document(s))
8. ☐ Certified Copy of Priority Document(s) (if foreign priority  
is claimed)
9. ☐ Power of Attorney or Authorization of Agent
10. ☐ 37 CFR 3.73(b) Statement
11. ☐ Preliminary Amendment
12. ☐ Information Disclosure Statement & PTO-1449  
☐ Copies of IDS Citation(s)
13. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent
14. ☒ Return Postcard
15. ☐
16. ☐
17. ☐

## ADDRESS TO:

Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_/\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS



☒ Customer Number and Bar Code  
Label

00758

Name (Print/Type)	Neil F. Mauprey	Registration No. (Attorney/Agent)	42,833
Signature		Date	March 12, 2001

0002/PTO(modified)  
Rev. 10/2000U.S. Department of Commerce  
Patent and Trademark Office**FEE TRANSMITTAL****TOTAL AMOUNT OF PAYMENT**

Subtotal (1) + Subtotal (2) + Subtotal (3) =

**(\$ PLEASE DEFER****Complete if Known**

Application Number	NEW
Filing Date	HEREWITH
First Named Inventor	Ernest Seagraves
Group Art Unit	UNASSIGNED
Examiner Name	UNASSIGNED
Attorney Docket Number	21676-05107

**METHOD OF PAYMENT****1. The Commissioner is hereby authorized to:**

- ☐ Charge the indicated fees to the below mentioned deposit account
- ☐ Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account <sup>†</sup>
- ☒ Applicant claims small entity status  
See 37 CFR 1.27

Deposit Account Number:

Deposit Account Name: FENWICK &amp; WEST LLP

A Duplicate Copy of this authorization is attached

**2. Payment Enclosed:**☐ Check ☐ Credit Card ☐ Other**FEE CALCULATION (fees effective 10/01/2000)****1. FILING FEE**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
101/\$710	201/\$355	Utility Filing	355
106/\$320	206/\$160	Design Filing	
108/\$710	208/\$355	Reissue	
114/\$750	214/\$75	Provisional Filing	
<b>SUBTOTAL (1)</b>			<b>(\$ 355)</b>

**2. CLAIMS**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description
103/\$18	203/\$9	Claims in excess of 20
102/\$80	202/\$40	Independent claims in excess of 3
104/\$270	204/\$135	Multiple dependent claim
109/\$80	209/\$40	Reissue independent claims over original patent
110/\$18	210/\$9	Reissue claims in excess of 20 and over original patent

**3. ADDITIONAL FEES**

Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due
105/\$130	205/\$65	Surcharge - late filing fee or oath	
127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet	
147/\$2,520	147/\$2,520	For filing a request for reexamination	
115/\$110	215/\$55	Extension for response within first month <sup>†</sup>	
116/\$390	216/\$195	Extension for response within second month <sup>†</sup>	
117/\$890	217/\$445	Extension for response within third month <sup>†</sup>	
118/\$1,390	218/\$695	Extension for response within fourth month <sup>†</sup>	
128/\$1,890	228/\$945	Extension for response within fifth month <sup>†</sup>	
119/\$310	219/\$155	Notice of Appeal	
141/\$1,240	241/\$620	Petition to revive unintentionally abandoned application	
142/\$1,240	242/\$620	Utility Issue Fee (Or Reissue)	
143/\$440	243/\$220	Design Issue Fee	
122/\$130	122/\$130	Petitions to the Commissioner	
126/\$180	126/\$180	Submission of Information Disclosure Statement	
179/\$710	279/\$355	Request for Continued Examination (RCE)	
581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)	
146/\$710	246/\$355	Filing a submission after final rejection (37 CFR 1 129(a))	
149/\$710	249/\$355	For each additional invention to be examined (37 CFR 1 129(b))	
		Other fee (specify)	
		Other fee (specify)	
<b>SUBTOTAL (3)</b>			<b>(\$ 0)</b>

For	(Col 1) No of Existing Claims	minus*	(Col 2) Highest No. Previously Paid For	=	(Col 3) Extra**	x	Fee	=	Fee Due
TOTAL	31	minus*	20 or 0	=	11	x	9	=	99
INDEP	8	minus*	3 or 0	=	5	x	40	=	200
[ ] First presentation of multiple dependent claim									

\* Subtract the greater number of Col. 2

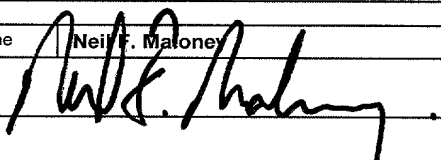
\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col 3

**SUBTOTAL (2)****(\$ 299)****SUBMITTED BY**

Typed or Printed Name

Neil F. Maloney

Signature

**Complete (if applicable)**

Reg Number

42,833

Date

March 12, 2001

<sup>†</sup> Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby